



PATENT
ATTORNEY DOCKET NO. 01997/198006

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I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231.

Mary Jane DiPalma

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Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: H. Robert Horvitz et al.

Art Unit:

Serial No.: 08/984,178

Examiner:

Filed: December 3, 1997

Title: CLONING SEQUENCING AND CHARACTERIZATION OF TWO CELL
DEATH GENES AND USES THEREFOR

Assistant Commissioner of Patents
Washington, D.C. 20231

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REPLY TO NOTICE TO FILE MISSING PARTS

In reply to the Notice to File Missing Parts of Application mailed February 24, 1998 (a copy of which is enclosed), Applicant as a large entity submits herewith the following:

☒ Payment of the basic filing, excess claims fee, and surcharge totalling \$3,534.00.

If there are any charges, or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: August 20, 1998

Kristina Bieker Brady, Ph.D.

Reg. No. 39,109

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176 Federal Street
Boston, MA 02110
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Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO./TITLE
08/984.178	12/03/97	HORVITZ	H. 0199/158006

PATRICIA GRANAHAN
HAMILTON BROOK SMITH & REYNOLDS
TWO MILITIA DRIVE
LXINGTON MA 02173-4799

NOT ASSIGNED

1633

DATE MAILED:

02/24/98

NOTICE TO FILE MISSING PARTS OF APPLICATION Filing Date Granted

An Application Number and Filing Date have been assigned to this application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted ALONG WITH THE PAYMENT OF A SURCHARGE for items 1 and 3-6 only of \$ 130 for a ☒ large entity ☐ small entity in compliance with 37 CFR 1.27. The surcharge is set forth in 37 CFR 1.16(e). Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file all required items and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

If all required items on this form are filed within the period set above, the total amount owed by applicant as a ☒ large entity ☐ small entity (verified statement filed), is \$ 3534.

☐ 1. The statutory basic filing fee is:

- ☒ missing.
- ☐ insufficient.

Applicant must submit \$ 790 to complete the basic filing fee and/or file a verified small entity statement claiming such status (37 CFR 1.27).

☐ 2. Additional claim fees of \$ 2614, including any multiple dependent claim fees, are required.

Applicant must either submit the additional claim fees or cancel additional claims for which fees are due.

☐ 3. The oath or declaration:

- ☐ is missing.
- ☐ does not cover the newly submitted items.
- ☐ does not identify the application to which it applies.
- ☐ does not include the city and state or foreign country of applicant's residence.

An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date is required.

☐ 4. The signature(s) to the oath or declaration is/are:

- ☒ missing.
- ☐ by a person other than inventor or person qualified under 37 CFR 1.42, 1.43, or 1.47.

A properly signed oath or declaration in compliance with 37 CFR 1.263, 1.264, 1.265, 1.266, 1.267, 1.268, 1.269, 1.270, 1.271, 1.272, 1.273, 1.274, 1.275, 1.276, 1.277, 1.278, 1.279, 1.280, 1.281, 1.282, 1.283, 1.284, 1.285, 1.286, 1.287, 1.288, 1.289, 1.290, 1.291, 1.292, 1.293, 1.294, 1.295, 1.296, 1.297, 1.298, 1.299, 1.300, 1.301, 1.302, 1.303, 1.304, 1.305, 1.306, 1.307, 1.308, 1.309, 1.310, 1.311, 1.312, 1.313, 1.314, 1.315, 1.316, 1.317, 1.318, 1.319, 1.320, 1.321, 1.322, 1.323, 1.324, 1.325, 1.326, 1.327, 1.328, 1.329, 1.330, 1.331, 1.332, 1.333, 1.334, 1.335, 1.336, 1.337, 1.338, 1.339, 1.340, 1.341, 1.342, 1.343, 1.344, 1.345, 1.346, 1.347, 1.348, 1.349, 1.350, 1.351, 1.352, 1.353, 1.354, 1.355, 1.356, 1.357, 1.358, 1.359, 1.360, 1.361, 1.362, 1.363, 1.364, 1.365, 1.366, 1.367, 1.368, 1.369, 1.370, 1.371, 1.372, 1.373, 1.374, 1.375, 1.376, 1.377, 1.378, 1.379, 1.380, 1.381, 1.382, 1.383, 1.384, 1.385, 1.386, 1.387, 1.388, 1.389, 1.390, 1.391, 1.392, 1.393, 1.394, 1.395, 1.396, 1.397, 1.398, 1.399, 1.400, 1.401, 1.402, 1.403, 1.404, 1.405, 1.406, 1.407, 1.408, 1.409, 1.410, 1.411, 1.412, 1.413, 1.414, 1.415, 1.416, 1.417, 1.418, 1.419, 1.420, 1.421, 1.422, 1.423, 1.424, 1.425, 1.426, 1.427, 1.428, 1.429, 1.430, 1.431, 1.432, 1.433, 1.434, 1.435, 1.436, 1.437, 1.438, 1.439, 1.440, 1.441, 1.442, 1.443, 1.444, 1.445, 1.446, 1.447, 1.448, 1.449, 1.450, 1.451, 1.452, 1.453, 1.454, 1.455, 1.456, 1.457, 1.458, 1.459, 1.460, 1.461, 1.462, 1.463, 1.464, 1.465, 1.466, 1.467, 1.468, 1.469, 1.470, 1.471, 1.472, 1.473, 1.474, 1.475, 1.476, 1.477, 1.478, 1.479, 1.480, 1.481, 1.482, 1.483, 1.484, 1.485, 1.486, 1.487, 1.488, 1.489, 1.490, 1.491, 1.492, 1.493, 1.494, 1.495, 1.496, 1.497, 1.498, 1.499, 1.500, 1.501, 1.502, 1.503, 1.504, 1.505, 1.506, 1.507, 1.508, 1.509, 1.510, 1.511, 1.512, 1.513, 1.514, 1.515, 1.516, 1.517, 1.518, 1.519, 1.520, 1.521, 1.522, 1.523, 1.524, 1.525, 1.526, 1.527, 1.528, 1.529, 1.530, 1.531, 1.532, 1.533, 1.534, 1.535, 1.536, 1.537, 1.538, 1.539, 1.540, 1.541, 1.542, 1.543, 1.544, 1.545, 1.546, 1.547, 1.548, 1.549, 1.550, 1.551, 1.552, 1.553, 1.554, 1.555, 1.556, 1.557, 1.558, 1.559, 1.560, 1.561, 1.562, 1.563, 1.564, 1.565, 1.566, 1.567, 1.568, 1.569, 1.570, 1.571, 1.572, 1.573, 1.574, 1.575, 1.576, 1.577, 1.578, 1.579, 1.580, 1.581, 1.582, 1.583, 1.584, 1.585, 1.586, 1.587, 1.588, 1.589, 1.590, 1.591, 1.592, 1.593, 1.594, 1.595, 1.596, 1.597, 1.598, 1.599, 1.600, 1.601, 1.602, 1.603, 1.604, 1.605, 1.606, 1.607, 1.608, 1.609, 1.610, 1.611, 1.612, 1.613, 1.614, 1.615, 1.616, 1.617, 1.618, 1.619, 1.620, 1.621, 1.622, 1.623, 1.624, 1.625, 1.626, 1.627, 1.628, 1.629, 1.630, 1.631, 1.632, 1.633, 1.634, 1.635, 1.636, 1.637, 1.638, 1.639, 1.640, 1.641, 1.642, 1.643, 1.644, 1.645, 1.646, 1.647, 1.648, 1.649, 1.650, 1.651, 1.652, 1.653, 1.654, 1.655, 1.656, 1.657, 1.658, 1.659, 1.660, 1.661, 1.662, 1.663, 1.664, 1.665, 1.666, 1.667, 1.668, 1.669, 1.670, 1.671, 1.672, 1.673, 1.674, 1.675, 1.676, 1.677, 1.678, 1.679, 1.680, 1.681, 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1.825, 1.826, 1.827, 1.828, 1.829, 1.830, 1.831, 1.832, 1.833, 1.834, 1.835, 1.836, 1.837, 1.838, 1.839, 1.840, 1.841, 1.842, 1.843, 1.844, 1.845, 1.846, 1.847, 1.848, 1.849, 1.850, 1.851, 1.852, 1.853, 1.854, 1.855, 1.856, 1.857, 1.858, 1.859, 1.860, 1.861, 1.862, 1.863, 1.864, 1.865, 1.866, 1.867, 1.868, 1.869, 1.870, 1.871, 1.872, 1.873, 1.874, 1.875, 1.876, 1.877, 1.878, 1.879, 1.880, 1.881, 1.882, 1.883, 1.884, 1.885, 1.886, 1.887, 1.888, 1.889, 1.890, 1.891, 1.892, 1.893, 1.894, 1.895, 1.896, 1.897, 1.898, 1.899, 1.900, 1.901, 1.902, 1.903, 1.904, 1.905, 1.906, 1.907, 1.908, 1.909, 1.910, 1.911, 1.912, 1.913, 1.914, 1.915, 1.916, 1.917, 1.918, 1.919, 1.920, 1.921, 1.922, 1.923, 1.924, 1.925, 1.926, 1.927, 1.928, 1.929, 1.930, 1.931, 1.932, 1.933, 1.934, 1.935, 1.936, 1.937, 1.938, 1.939, 1.940, 1.941, 1.942, 1.943, 1.944, 1.945, 1.946, 1.947, 1.948, 1.949, 1.950, 1.951, 1.952, 1.953, 1.954, 1.955, 1.956, 1.957, 1.958, 1.959, 1.960, 1.961, 1.962, 1.963, 1.964, 1.965, 1.966, 1.967, 1.968, 1.969, 1.970, 1.971, 1.972, 1.973, 1.974, 1.975, 1.976, 1.977, 1.978, 1.979, 1.980, 1.981, 1.982, 1.983, 1.984, 1.985, 1.986, 1.987, 1.988, 1.989, 1.990, 1.991, 1.992, 1.993, 1.994, 1.995, 1.996, 1.997, 1.998, 1.999, 2.000, 2.001, 2.002, 2.003, 2.004, 2.005, 2.006, 2.007, 2.008, 2.009, 2.010, 2.011, 2.012, 2.013, 2.014, 2.015, 2.016, 2.017, 2.018, 2.019, 2.020, 2.021, 2.022, 2.023, 2.024, 2.025, 2.026, 2.027, 2.028, 2.029, 2.030, 2.031, 2.032, 2.033, 2.034, 2.035, 2.036, 2.037, 2.038, 2.039, 2.040, 2.041, 2.042, 2.043, 2.044, 2.045, 2.046, 2.047, 2.048, 2.049, 2.050, 2.051, 2.052, 2.053, 2.054, 2.055, 2.056, 2.057, 2.058, 2.059, 2.060, 2.061, 2.062, 2.063, 2.064, 2.065, 2.066, 2.067, 2.068, 2.069, 2.070, 2.071, 2.072, 2.073, 2.074, 2.075, 2.076, 2.077, 2.078, 2.079, 2.080, 2.081, 2.082, 2.083, 2.084, 2.085, 2.086, 2.087, 2.088, 2.089, 2.090, 2.091, 2.092, 2.093, 2.094, 2.095, 2.096, 2.097, 2.098, 2.099, 2.100, 2.101, 2.102, 2.103, 2.104, 2.105, 2.106, 2.107, 2.108, 2.109, 2.110, 2.111, 2.112, 2.113, 2.114, 2.115, 2.116, 2.117, 2.118, 2.119, 2.120, 2.121, 2.122, 2.123, 2.124, 2.125, 2.126, 2.127, 2.128, 2.129, 2.130, 2.131, 2.132, 2.133, 2.134, 2.135, 2.136, 2.137, 2.138, 2.139, 2.140, 2.141, 2.142, 2.143, 2.144, 2.145, 2.146, 2.147, 2.148, 2.149, 2.150, 2.151, 2.152, 2.153, 2.154, 2.155, 2.156, 2.157, 2.158, 2.159, 2.160, 2.161, 2.162, 2.163, 2.164, 2.165, 2.166, 2.167, 2.168, 2.169, 2.170, 2.171, 2.172, 2.173, 2.174, 2.175, 2.176, 2.177, 2.178, 2.179, 2.180, 2.181, 2.182, 2.183, 2.184, 2.185, 2.186, 2.187, 2.188, 2.189, 2.190, 2.191, 2.192, 2.193, 2.194, 2.195, 2.196, 2.197, 2.198, 2.199, 2.200, 2.201, 2.202, 2.203, 2.204, 2.205, 2.206, 2.207, 2.208, 2.209, 2.210, 2.211, 2.212, 2.213, 2.214, 2.215, 2.216, 2.217, 2.218, 2.219, 2.220, 2.221, 2.222, 2.223, 2.224, 2.225, 2.226, 2.227, 2.228, 2.229, 2.230, 2.231, 2.232, 2.233, 2.234, 2.235, 2.236, 2.237, 2.238, 2.239, 2.240, 2.241, 2.242, 2.243, 2.244, 2.245, 2.246, 2.247, 2.248, 2.249, 2.250, 2.251, 2.252, 2.253, 2.254, 2.255, 2.256, 2.257, 2.258, 2.259, 2.260, 2.261, 2.262, 2.263, 2.264, 2.265, 2.266, 2.267, 2.268, 2.269, 2.270, 2.271, 2.272, 2.273, 2.274, 2.275, 2.276, 2.277, 2.278, 2.279, 2.280, 2.281, 2.282, 2.283, 2.284, 2.285, 2.286, 2.287, 2.288, 2.289, 2.290, 2.291, 2.292, 2.293, 2.294, 2.295, 2.296, 2.297, 2.298, 2.299, 2.300, 2.301, 2.302, 2.303, 2.304, 2.305, 2.306, 2.307, 2.308, 2.309, 2.310, 2.311, 2.312, 2.313, 2.314, 2.315, 2.316, 2.317, 2.318, 2.319, 2.320, 2.321, 2.322, 2.323, 2.324, 2.325, 2.326, 2.327, 2.328, 2.329, 2.330, 2.331, 2.332, 2.333, 2.334, 2.335, 2.336, 2.337, 2.338, 2.339, 2.340, 2.341, 2.342, 2.343, 2.344, 2.345, 2.346, 2.347, 2.348, 2.349, 2.350, 2.351, 2.352, 2.353, 2.354, 2.355, 2.356, 2.357, 2.358, 2.359, 2.360, 2.361, 2.362, 2.363, 2.364, 2.365, 2.366, 2.367, 2.368, 2.369, 2.370, 2.371, 2.372, 2.373, 2.374, 2.375, 2.376, 2.377, 2.378, 2.379, 2.380, 2.381, 2.382, 2.383, 2.384, 2.385, 2.386, 2.387, 2.388, 2.389, 2.390, 2.391, 2.392, 2.393, 2.394, 2.395, 2.396, 2.397, 2.398, 2.399, 2.400, 2.401, 2.402, 2.403, 2.404, 2.405, 2.406, 2.407, 2.408, 2.409, 2.410, 2.411, 2.412, 2.413, 2.414, 2.415, 2.416, 2.417, 2.418, 2.419, 2.420, 2.421, 2.422, 2.423, 2.424, 2.425, 2.426, 2.427, 2.428, 2.429, 2.430, 2.431, 2.432, 2.433, 2.434, 2.435, 2.436, 2.437, 2.438, 2.439, 2.440, 2.441, 2.442, 2.443, 2.444, 2.445, 2.446, 2.447, 2.448, 2.449, 2.450, 2.451, 2.452, 2.453, 2.454, 2.455, 2.456, 2.457, 2.458, 2.459, 2.460, 2.461, 2.462, 2.463, 2.464, 2.465, 2.466, 2.467, 2.468, 2.469, 2.470, 2.471, 2.472, 2.473, 2.474, 2.475, 2.476, 2.477, 2.478, 2.479, 2.480, 2.481, 2.482, 2.483, 2.484, 2.485, 2.486, 2.487, 2.488, 2.489, 2.490, 2.491, 2.492, 2.493, 2.494, 2.495, 2.496, 2.497, 2.498, 2.499, 2.500, 2.501, 2.502, 2.503, 2.504, 2.505, 2.506, 2.507, 2.508, 2.509, 2.510, 2.511, 2.512, 2.513, 2.514, 2.515, 2.516, 2.517, 2.518, 2.519, 2.520, 2.521, 2.522, 2.523, 2.524, 2.525, 2.526, 2.527, 2.528, 2.529, 2.530, 2.531, 2.532, 2.533, 2.534, 2.535, 2.536, 2.537, 2.538, 2.539, 2.540, 2.541, 2.542, 2.543, 2.544, 2.545, 2.546, 2.547, 2.548, 2.549, 2.550, 2.551, 2.552, 2.553, 2.554, 2.555, 2.556, 2.557, 2.558, 2.559, 2.560, 2.561, 2.562, 2.563, 2.564, 2.565, 2.566, 2.567, 2.568, 2.569, 2.570, 2.571, 2.572, 2.573, 2.574, 2.575, 2.576, 2.577, 2.578, 2.579, 2.580, 2.581, 2.582, 2.583, 2.584, 2.585, 2.586, 2.587, 2.588, 2.589, 2.590, 2.591, 2.592, 2.593, 2.594, 2.595, 2.596, 2.597, 2.598, 2.599, 2.600, 2.601, 2.602, 2.603, 2.604, 2.605, 2.606, 2.607, 2.608, 2.609, 2.610, 2.611, 2.612, 2.613, 2.614, 2.615, 2.616, 2.617, 2.618, 2.619, 2.620, 2.621, 2.622, 2.623, 2.624, 2.625, 2.626, 2.627, 2.628, 2.629, 2.630, 2.631, 2.632, 2.633, 2.634, 2.635, 2.636, 2.637, 2.638, 2.639, 2.640, 2.641, 2.642, 2.643, 2.644, 2.645, 2.646, 2.647, 2.648, 2.649, 2.650, 2.651, 2.652, 2.653, 2.654, 2.655, 2.656, 2.657, 2.658, 2.659, 2.660, 2.661, 2.662, 2.663, 2.664, 2.665, 2.666, 2.667, 2.668, 2.669, 2.670, 2.671, 2.672, 2.673, 2.674, 2.675, 2.676, 2.677, 2.678, 2.679, 2.680, 2.681, 2.682, 2.683, 2.684, 2.685, 2.686, 2.687, 2.688, 2.689, 2.690, 2.691, 2.692, 2.693, 2.694, 2.695, 2.696, 2.697, 2.698, 2.699, 2.700, 2.701, 2.702, 2.703, 2.704, 2.705, 2.706, 2.707, 2.708, 2.709, 2.710, 2.711, 2.712, 2.713, 2.714, 2.715, 2.716, 2.717, 2.718, 2.719, 2.720, 2.721, 2.722, 2.723, 2.724, 2.725, 2.726, 2.727, 2.728, 2.729, 2.730, 2.731, 2.732, 2.733, 2.734, 2.735, 2.736, 2.737, 2.738, 2.739, 2.740, 2.741, 2.742, 2.743, 2.744, 2.745, 2.746, 2.747, 2.748, 2.749, 2.750, 2.751, 2.752, 2.753, 2.754, 2.755, 2.756, 2.757, 2.758, 2.759, 2.760, 2.761, 2.762, 2.763, 2.764, 2.765, 2.766, 2.767, 2.768, 2.769, 2.770, 2.771, 2.772, 2.773, 2.774, 2.775, 2.776, 2.777, 2.778, 2.779, 2.780, 2.781, 2.782, 2.783, 2.784, 2.785, 2.786, 2.787, 2.788, 2.789, 2.790, 2.791, 2.792, 2.793, 2.794, 2.795, 2.796, 2.797, 2.798, 2.799, 2.800, 2.801, 2.802, 2.803, 2.804, 2.805, 2.806, 2.807, 2.808,